

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A money validating machine comprising:  
a money validation unit for validating money provided from outside;  
a detachable money storage unit for storing the money that has been determined as valid by said money validation unit, the money storage unit including a lid to be opened when the money stored within said money storage unit is collected, a signal receiving unit and a lid lock/unlock unit including a solenoid;  
a first power-signal connection configured to transmit, as a pulse signal, both electric power and a money information signal representing information on the money to be stored in said money storage unit; and  
a second power-signal connection configured as a ground,  
wherein said money validation unit supplies both said electric power and said money information signal to the detachable money storage unit via the first power-signal connection when said money validation unit is electrically connected to said money storage unit, and the lid lock/unlock unit locks or unlocks the lid using only the electric power provided via the first power-signal connection and the signal receiving unit extracts the money information signal from the pulse signal.

Claim 2 (Previously Presented): A money validating machine according to claim 1, wherein said money validation unit and said money storage unit have two connection terminals, the first power-signal connection and the second power-signal connection, so that said money validation unit is electrically connected to said money storage unit via the two power-signal connections.

Claim 3 (Original): A money validating machine according to claim 1, wherein:  
said money validation unit includes a validation side communication control unit for outputting the money information signal as a pulse signal and a power supply conversion unit for performing supply and stoppage of the electric power in accordance with the pulse signal to generate a voltage between the two power-signal connections; and

said money storage unit includes a power supply unit for supplying electric power based on the voltage between the two power-signal connections to circuits within the money storage unit, a storage side receiving unit for extracting the money information signal from the voltage between the two power-signal connections, and a storage side communication control unit for receiving the extracted money information signal.

Claim 4 (Original): A money validating machine according to claim 3, wherein said power supply unit includes:

a first diode having a first terminal connected to one of the two power-signal connections;

a capacitor connected between a second terminal of said first diode and the other of the two power-signal connections;

a second diode having a first terminal connected to the second terminal of said first diode; and

a three-terminal regulator having an input terminal connected to a second terminal of said second diode.

Claim 5 (Original): A money validating machine according to claim 3, wherein said storage side receiving unit includes:

a photo-coupler having an LED (light emitting diode) for generating light inside said photo-coupler in accordance with an electric current caused by the voltage between the two power-signal connections and a phototransistor for accepting the generated light to flow an electric current corresponding to the accepted light; and

an impedance element for converting the electric current caused by said phototransistor into a voltage corresponding to the money information signal.

Claim 6 (Previously Presented): A money validating machine according to claim 3, wherein:

said storage side communication control unit controls said lid lock/unlock unit to lock or unlock the lid in accordance with a control signal received by said storage side receiving unit via the two power-signal connections.

Claim 7 (Original): A money validating machine according to claim 3, wherein:

said money storage unit further includes a current lead-in unit for transmitting a signal by leading in a current via one of the two power-signal connections in accordance with a storage unit information signal generated by said storage side communication control unit; and

said money validation unit further includes a validation side receiving unit for detecting the signal transmitted from said current lead-in unit on the basis of an electric potential of said one of the two power-signal connections.

Claim 8 (Original): A money validating machine according to claim 3, wherein the money information signal generated by said validation side communication control unit is a

signal encoded to RZ (return to zero) code format.

Claim 9 (Previously Presented): A money validating machine according to claim 8, wherein said validation side communication control unit includes validation side signal encoding unit configured to encode the money information signal from NRZ (non return to zero) code format to the RZ code format before outputting the money information signal to said power supply conversion unit.

Claim 10 (Previously Presented): A money validating machine according to claim 8, wherein said storage side communication control unit includes storage side signal decoding unit configured to decode the money information signal outputted from said storage side receiving unit from the RZ code format to NRZ (non return to zero) code format.

Claim 11 (Original): A money validating machine according to claim 7, wherein said storage side communication control unit generates the storage unit information signal encoded to RZ (return to zero) code format.

Claim 12 (Previously Presented): A money validating machine according to claim 11, wherein said storage side communication control unit includes storage side signal encoding unit configured to encode the storage unit information signal from NRZ (non return to zero) code format to the RZ code format before outputting the storage unit information signal to said current lead-in unit.

Claim 13 (Previously Presented): A money validating machine according to claim 11, wherein said validation side communication control unit includes validation side signal

decoding unit configured to decode the storage unit information signal inputted from said validation side receiving unit from the RZ code format to NRZ (non return to zero) code format.

Claim 14 (Original): A money validating machine according to claim 3, wherein said money storage unit includes a power polarity normalization unit for normalizing a polarity of the voltage supplied from said money validation unit via the two power-signal connections.

Claim 15 (Original): A money validating machine according to claim 14, wherein said power polarity normalization unit includes a diode bridge circuit having first and second terminals supplied with the voltage between the two power-signal connections, a third terminal for outputting a positive potential according to the supplied voltage, and a fourth terminal for outputting a negative potential according to the supplied voltage.

Claim 16 (Original): A money validating machine according to claim 2, wherein said money storage unit is able to be connected to a collection device other than said money validation unit via said two connection terminals provided in said money storage unit when said money storage unit is detached from said money validation unit.